

- 12 July 1971

CDLR NO 1636

PROJECT: ECKERTS BAYOU

BORING NO. 78-297

LOCATION:

TEST DATA SUMMARY

DATE COMPLETED

FIELD NO.	Sample Depth, Feet		CLASSIFICATION	Length of sample recv'd	SYMBOL	CONSISTENCY	POCKET (1) PENETROMETER	STAN. PENET. BLOWS/FT (2)	MOISTURE CONTENT %	DRY DENSITY p. c. f.	L.L.	P.L.	Lab Sample No.	BAR L.S.	SIEVE ANALYSIS								
	From	To													PERCENT			INIT. WT.	ACC. WT. RTND. SIEVE NO. (3)				
															GRVL	SAND	FINES		NO. 4	NO. 10	NO. 40	NO. 200	
1J	0.0	2.0	Grayish sand with organic material		SP				4				2970			0	98	2	213	0	0	0	209
2J	2.0	4.0	Tan sand with trace organic material						12				2971			0	99	1	162	0	0	0	160
3J	4.0	6.0	Tan sand with organic material						19				2972			0	98	2	173	0	0	0	169
4J	6.0	8.0	Tan sand with organic material and numerous shell fragments						31				2973			7	92	1	270	19	43	95	268
5J	8.0	10.0	Gray sand with random shell fragments						29				2974			0	99	1	177	0	0	2	176
	10.0	13.0	# no recovery																				
6J	13.0	15.0	Gray sand with random shell fragments			VD		77	29				2975			0	98	2	94	0	0	2	92
	15.0	18.0	# washed																				
7J	18.0	20.0	Gray silty sand with random shell fragments		SP SM	VD		43	24				2976			0	94	6	196	1	5	11	185
			#Water Table:-6.0' below surface																				
			#information obtained from driller's log																				

KEY: CONSISTENCY -- COHESIVE SOILS CONSISTENCY -- COHESIVELESS SOILS
VS S H ST VST R VL L H VD
Very Soft Soft Medium Stiff Very Stiff Hard Very Loose Loose Medium Dense Very Dense

(1) Tons/Sq. Ft. Unconfined Compressive Strength
(2) Split Barrel Sampler
(3) Acc. Wt. Rnd % Init. Wt. x 100 = I Rnd.

Bottomed at Water at Tide Reading

BORING NO. 78-297

Sheet 1 of sheets 1

DRILLING LOG		DIVISION S.W.	INSTALLATION Gal. DIST		SHEET 1 OF SHEETS
1. PROJECT Eckert's Bayou Permit			10. SIZE AND TYPE OF BIT		
2. LOCATION (Coordinates or Station)			11. DATUM FOR ELEVATION SHOWN (TBM or MSL)		
3. DRILLING AGENCY COFE			12. MANUFACTURER'S DESIGNATION OF DRILL ARCO 550		
4. HOLE NO. (As shown on drawing title and file number) 78-297			13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED UNDISTURBED
5. NAME OF DRILLER Curtis			14. TOTAL NUMBER CORE BOXES		
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.			15. ELEVATION GROUND WATER		
7. THICKNESS OF OVERBURDEN			16. DATE HOLE 7-19-78		
8. DEPTH DRILLED INTO ROCK			17. ELEVATION TOP OF HOLE		
9. TOTAL DEPTH OF HOLE			18. TOTAL CORE RECOVERY FOR BORING %		
			19. SIGNATURE OF INSPECTOR		

ELEVATION a.	DEPTH b.	LEGEND c.	CLASSIFICATION OF MATERIALS (Description) d.	% CORE RECOVER- ERY e.	BOX OR SAMPLE NO. f.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g.
			02 TO 82 BROWN SAND V FINE well sorted	20	1-J	02 TO 82 STARTED HOLE @ 0845 Hit water Table @ 0733 (est.)
	50		Angular To Sub. ANG.	42	2-J	
			* 60 TO 82 SAND IS BLACK IN Color. Possible Cont. From Layer of Decomposed Organic mat.	62	3-J	
				82	4-J	STARTED DRIVE @ 1301
	101			102	5-J	Water Table = -62 FT Below Surface
				130		135 TO 142 = 30 Blows 142 TO 145 = 47 Blows
	152		* 62 TO 82 massive shell Deposits. Poorly Sorted	152	6-J	
			82 TO White sand with small frags of well sorted shell frags. Sand is well sorted	182		182 TO 192 = 16 Blows 192 TO 195 = 18 Blows
	202		Sample # 7 Has cocretions of cal- cified sand	202	7-J	
			* These are approximate depths exact depths where change occurs cannot be obtained with Auger bit			

DRILLING LOG		DIVISION Southwest	INSTALLATION Galveston Dist Off.		SHEET 1 OF 1 SHEETS	
1. PROJECT Eckert's Bayou			10. SIZE AND TYPE OF BIT			
2. LOCATION (Coordinates or Station)			11. DATUM FOR ELEVATION SHOWN (TBM or MSL) + 6.15' MSL			
3. DRILLING AGENCY USCEC			12. MANUFACTURER'S DESIGNATION OF DRILL Arco 550			
4. HOLE NO. (As shown on drawing title and file number) 78-297			13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED 7	
5. NAME OF DRILLER Don Curtis			14. TOTAL NUMBER CORE BOXES		UNDISTURBED 0	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.			16. DATE HOLE		STARTED Sept 19 '78	
7. THICKNESS OF OVERBURDEN			17. ELEVATION TOP OF HOLE		COMPLETED 19 Sept '78	
8. DEPTH DRILLED INTO ROCK			18. TOTAL CORE RECOVERY FOR BORING			
9. TOTAL DEPTH OF HOLE 20.0'			19. SIGNATURE OF INSPECTOR A. B. PRICE			

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	2		0.0' to 2.0' Dark gray silty sandy loam, massive	N.P. 2.0	1 J	0.0' to 13.0', 8-inch auger.
	4		2.0' to 6.0' light grey Medium to fine grained sand, quartzose moderately well sorted.	N.P. 4.0	2 J	13.0' to 20.0' 2-inch split spoon.
	6			N.P. 6.0	3 J	Possible water table @ 6.0' below surface
	8		6.0' to 8.0' Very dark gray sand, massive, fine grained, common to abundant carbonaceous (plank) debris. Poorly sorted	N.P. 8.0	4 J	
	10		± 6.5' to ± 8.5' Massive sandy shell fragment bed, poorly sorted.	N.P. 10.0	5 J	
	12					10.0' to 13.0' NO Recovery.
	14		8.5' to 20.0' Light tan sand, well sorted, massive, quartzose, few to common small shell fragments.	13.0		
	16			15.0	6 J	13.5' to 14.0' : 30 Blows 14.0' to 14.5' : 47 Blows
	18			18.0		Washed to 18.0'
	20		18.0' to 20.0' Rare ± 1 to 2 cm sized sandy concretion, well rounded, hard.		7 J	18.5 to 19.0' : 15 Blows 19.0' to 19.5' : 18 Blows
			20.0' Total Depth	20.0		